

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

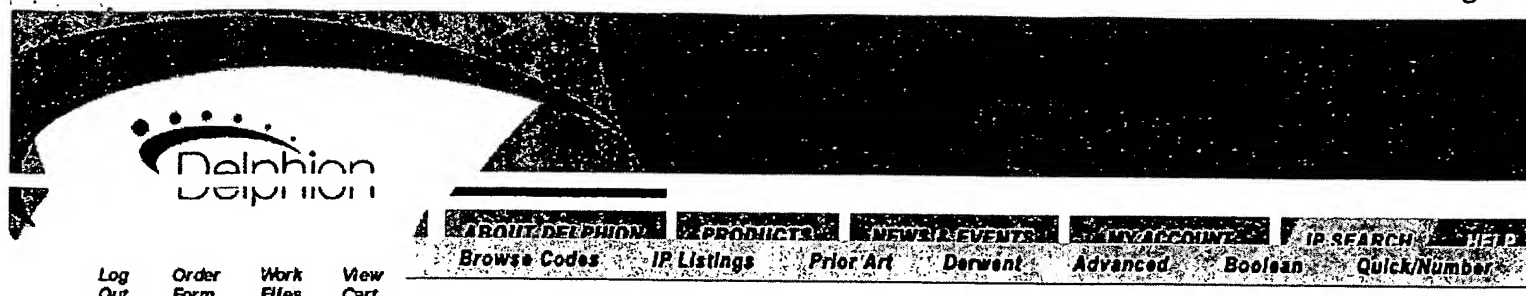
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



The Delphion
Integrated
View

Other Views:
INPADOC

Title: **JP56162474A2: PREPARATION OF ORGANIC ELECTROLYTE BATTERY**
 ► Want to see a more descriptive title highlighting what's new about this invention?

Country: **JP Japan**
 Kind: **A**

Inventor(s): **TAKEMORI MASAMI**
YOKOYAMA KENICHI

Applicant/Assignee: **HITACHI MAXELL LTD**
 News, Profiles, Stocks and More about this company



Issued/Filed Dates: **Dec. 14, 1981 / May 20, 1980**

Application Number: **JP1980000066720**

IPC Class: **H01M 4/08;**

Priority Number(s): **May 20, 1980 JP1980000066720**

Abstract:

Purpose: When a battery is produced using lithium as cathode active material, to increase the operational voltage under low temperature and heavy and load discharging by removing oils on a lithium thin sheet through washing with an organic solvent and drying under vacuum.

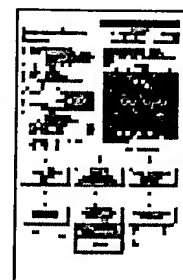
Constitution: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a thin sheet using liquid paraffin as a lubricant, punched circularly, and soaked in n-hexane for 2 to 5 seconds. It is placed in a vacuum dryer and evacuated to evaporate the n-hexane on the lithium surface, and thus oils on the lithium surface is removed. Then it is combined in a battery to form the battery. The reduction of the operational voltage at low temperature and heavy load discharging due to the oils on the lithium surface is prevented, and the battery performance can be improved greatly.
 COPYRIGHT: (C)1981,JPO&Japio

► See a clear and precise summary of the whole patent, in understandable terms.

Family: Show known family members

Other Abstract Info: **CHEMABS 096(14)112275G**

Foreign References: **No patents reference this one**



[View Image](#)

1 page





Nominate this
for the Gallery...

[Subscribe](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [FAQ](#) | [Site Map](#) | [Help](#) | [Contact Us](#)

© 1997 - 2002 Delphion Inc.



(19)

(11) Publication number:

56162474 A

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **55066720**(51) Intl. Cl.: **H01M 4/08**(22) Application date: **20.05.80**

(30) Priority:

(43) Date of application
publication: **14.12.81**(84) Designated contracting
states:(71) Applicant: **HITACHI MAXELL LTD**(72) Inventor: **TAKEMORI MASAMI**
YOKOYAMA KENICHI

(74) Representative:

**(54) PREPARATION OF
ORGANIC ELECTROLYTE
BATTERY**

(57) Abstract:

PURPOSE: When a battery is produced using lithium as cathode active material, to increase the operational voltage under low temperature and heavy and load discharging by removing oils on a lithium thin sheet through washing with an organic solvent and drying under vacuum.

CONSTITUTION: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a thin sheet using liquid paraffin as a lubricant, punched circularly, and soaked in n-hexane for 2 to 5 seconds. It is placed in a vacuum dryer and evacuated to evaporate the n-hexane on the lithium surface, and thus oils on the lithium surface is removed. Then it is combined in a battery to form the battery. The reduction of the operational voltage at low temperature and heavy load discharging due to the oils on the lithium surface is prevented, and the battery performance can be improved greatly.

COPYRIGHT: (C)1981,JPO&Japio